

Appendix D – Existing 2016 Conditions Traffic Signal Warrant Analysis Worksheets

Figure 4C-3. Warrant 3, Peak Hour

Traffic Conditions = **Existing AM Peak**

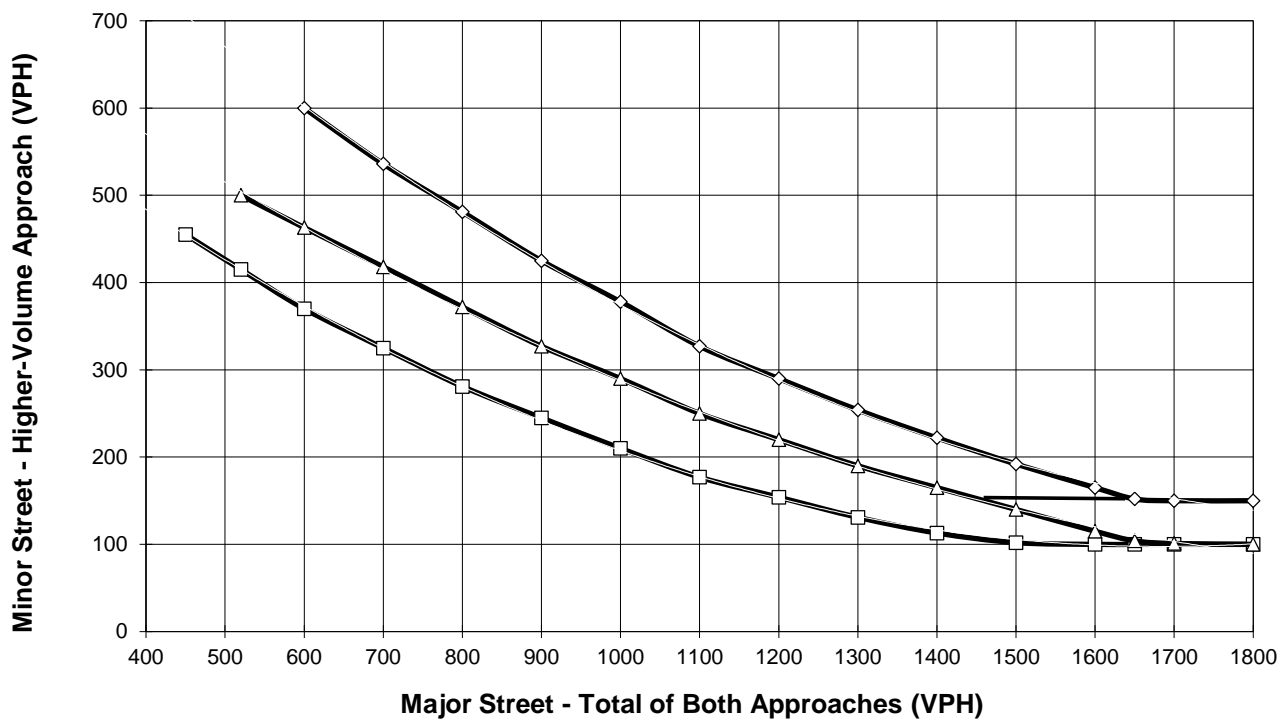
Major Street Name = **Nash St**

Total of Both Approaches (VPH) = **81**
 Number of Approach Lanes on Major Street = **2**

Minor Street Name = **Park Pl**

High Volume Approach (VPH) = **88**
 Number of Approach Lanes On Minor Street = **1**

SIGNAL WARRANT NOT SATISFIED



- 1 Lane (Major) & 1 Lane (Minor)
- △— 2+ Lanes (Major) & 1 Lane (Minor) OR 1 Lane (Major) & 2+ Lanes (Minor)
- ◇— 2+ Lanes (Major) & 2+ Lanes (Minor)
- x— Major Street Approaches
- x-- Minor Street Approaches

*Note: 150 vph applies as the lower threshold for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold for a minor-street approach

Figure 4C-3. Warrant 3, Peak Hour

Traffic Conditions = **Existing PM Peak**

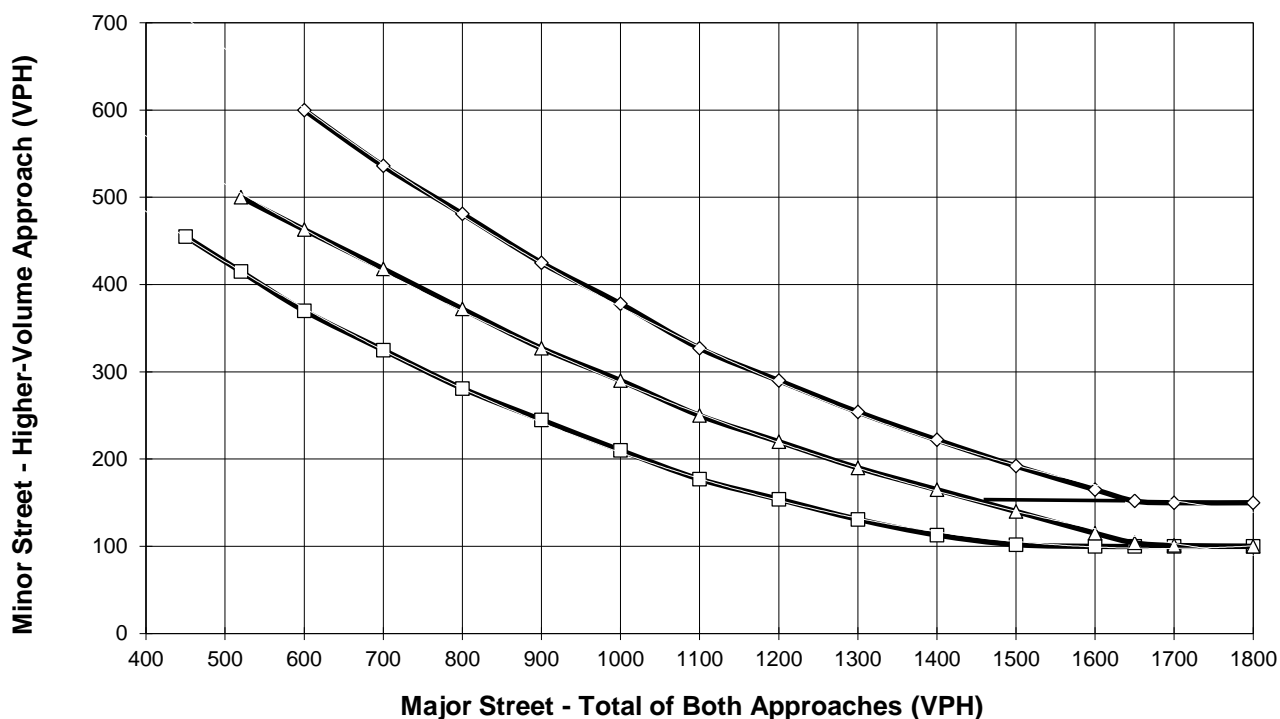
Major Street Name = **Nash St**

Total of Both Approaches (VPH) = **151**
 Number of Approach Lanes on Major Street = **2**

Minor Street Name = **Park Pl**

High Volume Approach (VPH) = **156**
 Number of Approach Lanes On Minor Street = **1**

SIGNAL WARRANT NOT SATISFIED



- 1 Lane (Major) & 1 Lane (Minor)
- △— 2+ Lanes (Major) & 1 Lane (Minor) OR 1 Lane (Major) & 2+ Lanes (Minor)
- ◇— 2+ Lanes (Major) & 2+ Lanes (Minor)
- x— Major Street Approaches
- -x- - Minor Street Approaches

*Note: 150 vph applies as the lower threshold for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold for a minor-street approach

Figure 4C-3. Warrant 3, Peak Hour

Traffic Conditions = **Existing AM Peak**

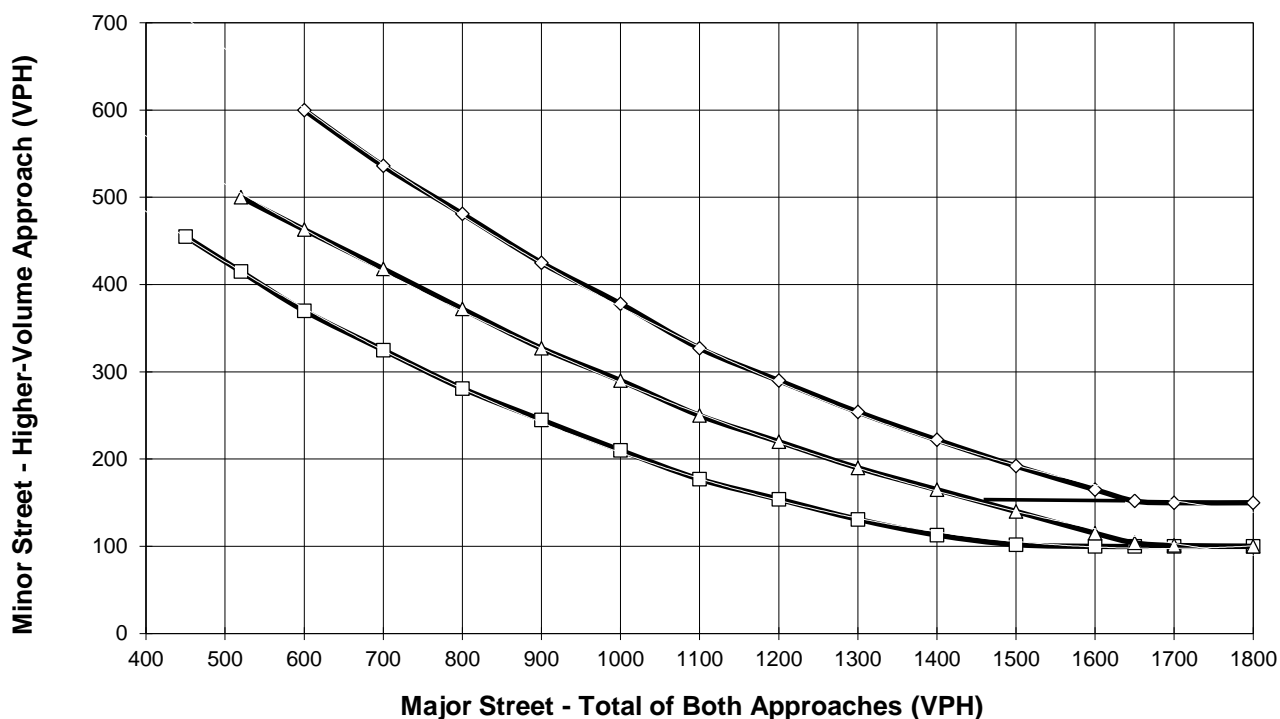
Major Street Name = **Park Pl**

Total of Both Approaches (VPH) = **321**
 Number of Approach Lanes on Major Street = **1**

Minor Street Name = **Apollo St**

High Volume Approach (VPH) = **58**
 Number of Approach Lanes On Minor Street = **2**

SIGNAL WARRANT NOT SATISFIED



- 1 Lane (Major) & 1 Lane (Minor)
- △— 2+ Lanes (Major) & 1 Lane (Minor) OR 1 Lane (Major) & 2+ Lanes (Minor)
- ◇— 2+ Lanes (Major) & 2+ Lanes (Minor)
- x— Major Street Approaches
- x-- Minor Street Approaches

*Note: 150 vph applies as the lower threshold for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold for a minor-street approach

Figure 4C-3. Warrant 3, Peak Hour

Traffic Conditions = **Existing PM Peak**

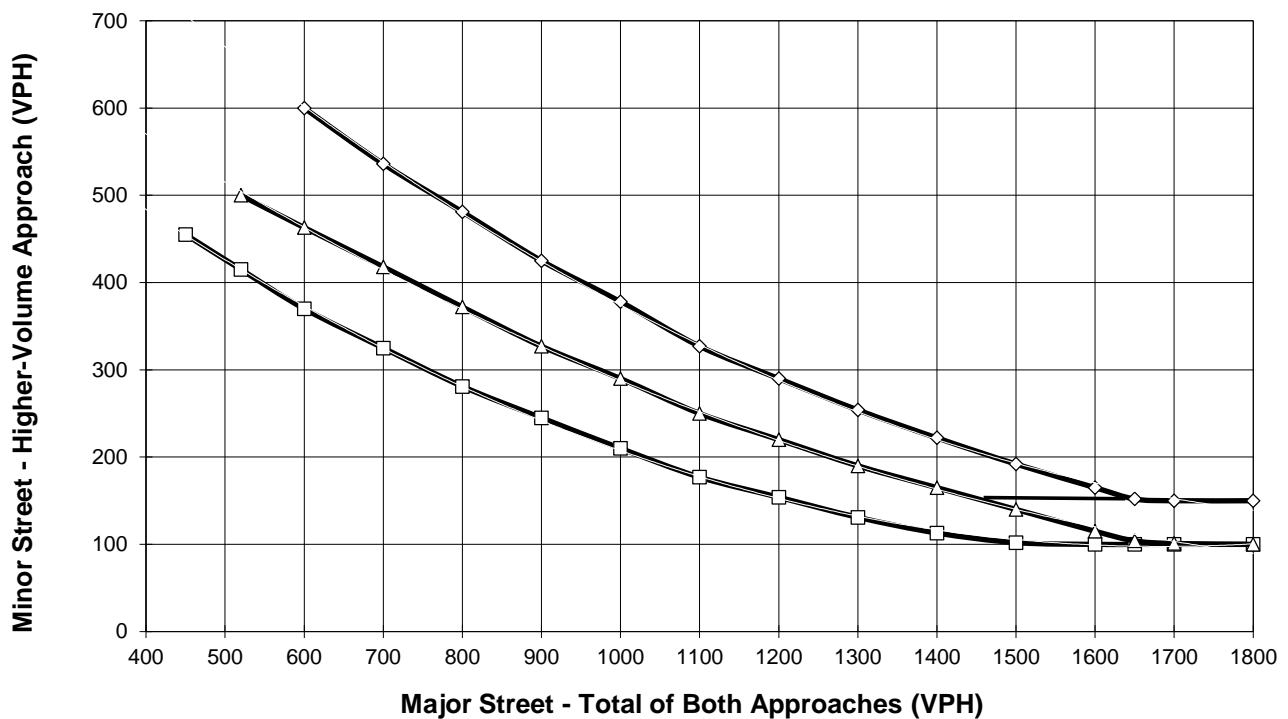
Major Street Name = **Park Pl**

Total of Both Approaches (VPH) = **331**
 Number of Approach Lanes on Major Street = **1**

Minor Street Name = **Apollo St**

High Volume Approach (VPH) = **260**
 Number of Approach Lanes On Minor Street = **2**

SIGNAL WARRANT NOT SATISFIED



- 1 Lane (Major) & 1 Lane (Minor)
- △— 2+ Lanes (Major) & 1 Lane (Minor) OR 1 Lane (Major) & 2+ Lanes (Minor)
- ◇— 2+ Lanes (Major) & 2+ Lanes (Minor)
- x— Major Street Approaches
- x-- Minor Street Approaches

*Note: 150 vph applies as the lower threshold for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold for a minor-street approach

Figure 4C-3. Warrant 3, Peak Hour

Traffic Conditions = **Existing AM Peak**

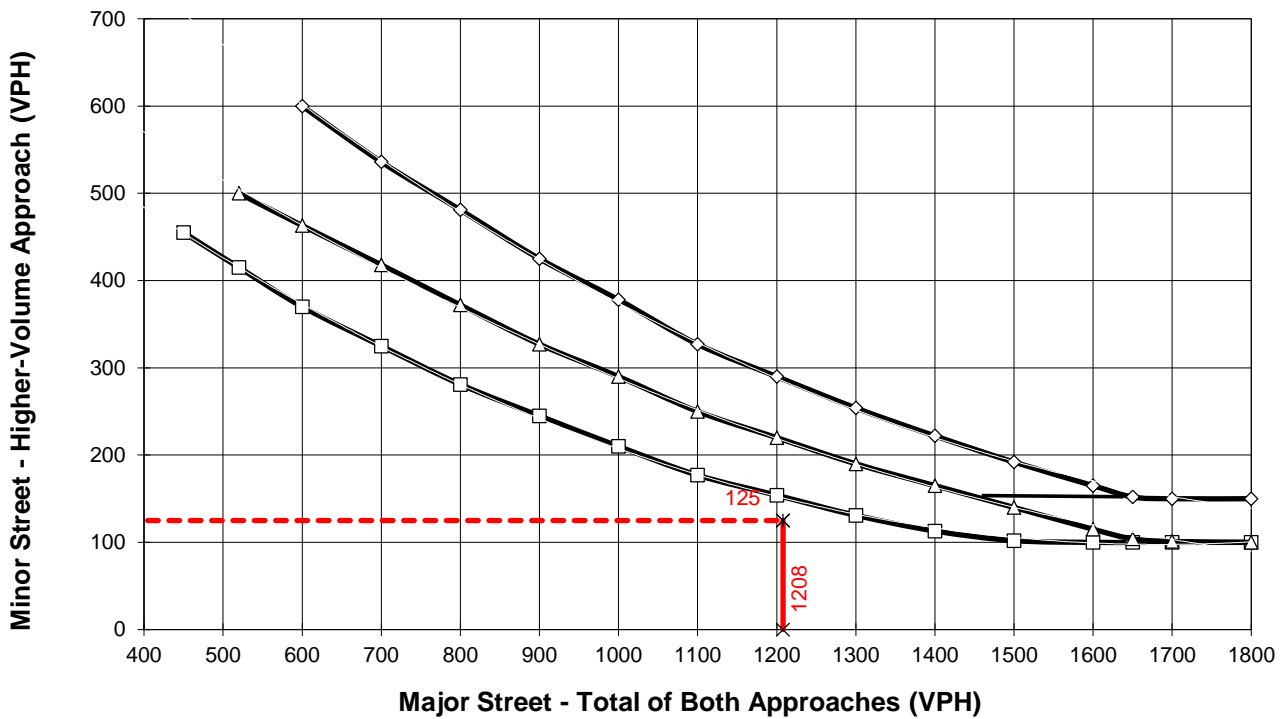
Major Street Name = **Douglas St**

Total of Both Approaches (VPH) = **1208**
 Number of Approach Lanes on Major Street = **2**

Minor Street Name = **Park Pl**

High Volume Approach (VPH) = **125**
 Number of Approach Lanes On Minor Street = **1**

SIGNAL WARRANT NOT SATISFIED



- 1 Lane (Major) & 1 Lane (Minor)
- △— 2+ Lanes (Major) & 1 Lane (Minor) OR 1 Lane (Major) & 2+ Lanes (Minor)
- ◇— 2+ Lanes (Major) & 2+ Lanes (Minor)
- x— Major Street Approaches
- x- - Minor Street Approaches

*Note: 150 vph applies as the lower threshold for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold for a minor-street approach

Figure 4C-3. Warrant 3, Peak Hour

Traffic Conditions = **Existing PM Peak**

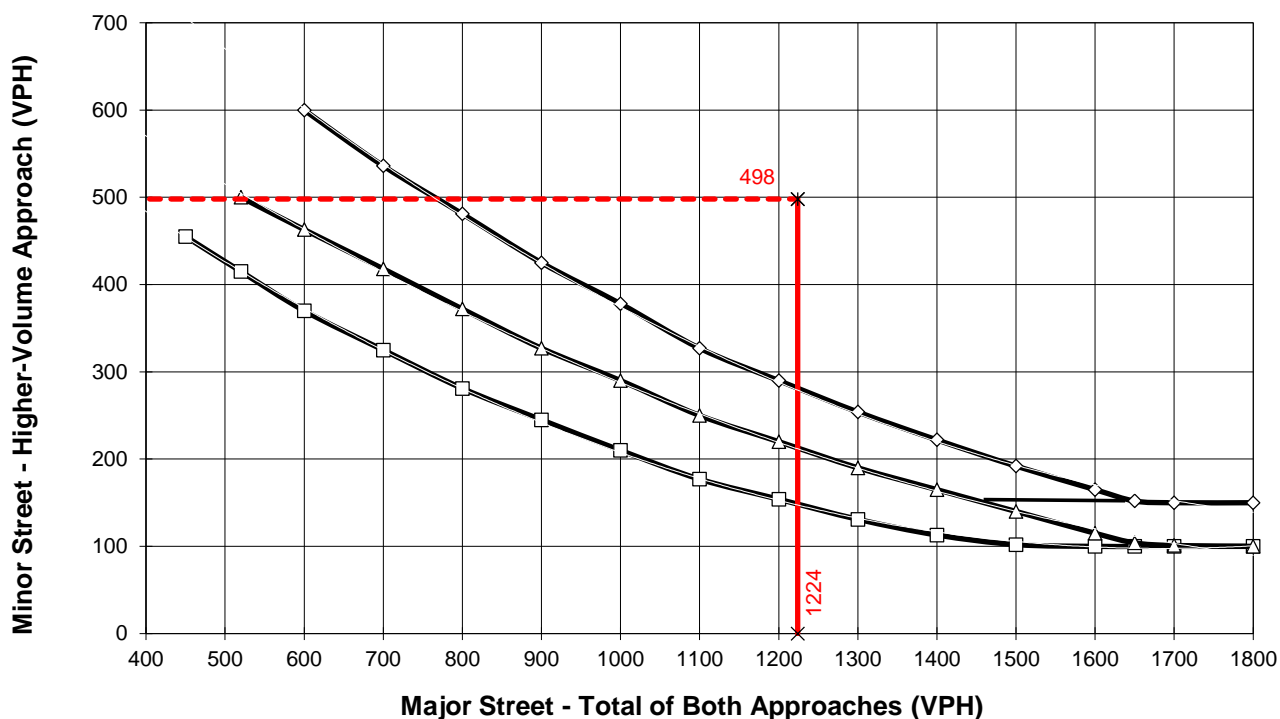
Major Street Name = **Douglas St**

Total of Both Approaches (VPH) = **1224**
 Number of Approach Lanes on Major Street = **2**

Minor Street Name = **Park Pl**

High Volume Approach (VPH) = **498**
 Number of Approach Lanes On Minor Street = **1**

WARRANTED FOR A SIGNAL



- 1 Lane (Major) & 1 Lane (Minor)
- △— 2+ Lanes (Major) & 1 Lane (Minor) OR 1 Lane (Major) & 2+ Lanes (Minor)
- ◇— 2+ Lanes (Major) & 2+ Lanes (Minor)
- x— Major Street Approaches
- -x- - Minor Street Approaches

*Note: 150 vph applies as the lower threshold for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold for a minor-street approach